Learning to Fly: The Wright Brother's Adventure			
2002 Science			
Priority Academic Student Skills			
Oklahoma Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
New Data	OK	SCI.6.A.4.1	Report data in an appropriate method when given an experimental procedure or data.
1903: Powered Flight	OK	SCI.6.A.1.2	Use appropriate tools (e.g., metric ruler, graduated cylinder, thermometer, balances, spring scales, stopwatches) to measure objects, organisms, and/or events.
1904: Improvement in Dayton	OK	SCI.6.A.4.5	Communicate scientific procedures and explanations.
Learning to Fly: The Wright Brother's Adventure			
2002 Science			
Priority Academic Student Skills			
Oklahoma Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
1903: Powered Flight	OK	SCI.7.A.5.1	Use systematic observations, make accurate measurements, and identify and control variables.
1904: Improvement in Dayton	OK	SCI.7.A.4.1	Report data in an appropriate method when given an experimental procedure or data.
1904: Improvement in Dayton	OK	SCI.7.A.4.5	Communicate scientific procedures and explanations.
Learning to Fly: The Wright Brother's Adventure			
2002 Science			
Priority Academic Student Skills			
Oklahoma Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
1901: The First Improvement	OK	SCI.8.A.5.1	Use systematic observations, make accurate measurements, and identify and control variables.
1901: The First Improvement	OK	SCI.8.B.2.2	An object that is not being subjected to a net force will continue to move at a constant velocity (in a straight line and a constant speed).
1903: Powered Flight	OK	SCI.8.A.1.2	Use appropriate tools (e.g., metric ruler, graduated cylinder, thermometer, balances, spring scales, stopwatches) when measuring objects, organisms, and/or events.
1904: Improvement in Dayton	OK	SCI.8.A.4.5	Communicate scientific procedures and explanations.
Learning to Fly: The Wright Brother's Adventure			

2002 Science			
Priority Academic Student Skills			
Oklahoma Science			
Grades 9-12 (Physical Science)			
Activity/Lesson	**State**	**Standards**	
Wright Brothers: 1901 Glider	OK	SCI.9-12.A.3.1	Evaluate the design of a physical science investigation.
Wright Brothers: 1901 Glider	OK	SCI.9-12.A.3.5	Recognize potential hazards and practice safety procedures in all physical science activities.
Wright Brothers: 1902 Glider	OK	SCI.9-12.A.1.1	Identify qualitative and quantitative changes given conditions (e.g., temperature, mass, volume, time, position, length) before, during, and after an event.
1901: The First Improvement	OK	SCI.9-12.A.6.4	Inquiries should lead to the formulation of explanations or models (physical, conceptual, and mathematical). In answering questions, students should engage in discussions (based on scientific knowledge, the use of logic, and evidence from the investigation) and arguments that encourage the revision of their explanations, leading to further inquiry.
New Data	OK	SCI.9-12.A.4.6	Prepare a written report describing the sequence, results, and interpretation of a physical science investigation or event.
1902: Success at Last	OK	SCI.9-12.A.5.2	Select predictions based on models.
1902: Success at Last	OK	SCI.9-12.A.5.3	Compare a given model to the physical world.
1904: Improvement in Dayton	OK	SCI.9-12.A.4.8	Identify and/or create an appropriate graph or chart from collected data, tables, or written description.